

Serial no. 10/784,049 - Lima et. al.

IN THE CLAIMS

Cancel claims 15-24, without prejudice, as follows:

1. (previously presented) A method for producing activated carbon from poultry manure comprising:

- a) grinding poultry manure prior to said carbonizing to provide a mixture of substantially uniform sized particles;
- b) carbonizing said poultry manure which has been ground to produce carbonized manure, and
- c) activating said carbonized manure under conditions effective to produce activated carbon having a BET surface area greater than 200 m<sup>2</sup>/g.

2. (previously presented) The method of claim 1 wherein said poultry manure is selected from the group consisting of poultry cake and poultry litter.

3. (cancelled).

4. (previously presented) The method of claim 1 wherein said poultry manure is ground to about 20 mesh.

Serial no. 10/784,049 - Lima et. al.

5. (previously presented) The method of claim 1 further comprising pelletizing said mixture of substantially uniform sized particles to provide pelleted manure.

6. (previously presented) The method of claim 5 wherein said pelleted manure is between approximately 3/16 inch and approximately 3/8 inch in diameter.

7. (previously presented) The method of claim 1 wherein said carbonizing comprises heating said poultry manure for a period of time and under conditions effective to carbonize said manure.

8. (previously presented) The method of claim 1 wherein said poultry manure is carbonized in a substantially oxygen-free environment.

9. (previously presented) The method of claim 1 wherein said activating comprises contacting said carbonized manure with steam.

10. (previously presented) The method of claim 9 wherein said activating comprises contacting said carbonized manure with

Serial no. 10/784,049 - Lima et. al.

steam at a flow rate of between about 0.1 to about 5.0 ml/kg·min, at a temperature between about 700 to about 900°C, for about 15 to about 75 minutes.

11. (previously presented) The method of claim 10 wherein said stream flow rate is between about 1.0 to about 5.0 ml/kg·min.

12. (previously presented) The method of claim 1 further comprising washing said activated carbon with mineral acid to remove ash therefrom, and rinsing the washed activated carbon with water.

13. (original) The method of claim 1 wherein said conditions for activating said carbonized manure are effective to produce activated carbon having a BET surface area greater than about 300 m<sup>2</sup>/g.

14. (original) The method of claim 1 wherein said activated carbon further comprises a phosphate ion content greater than 4.0% by weight.

15. (cancelled).

Serial no. 10/784,049 - Lima et. al.

16. (cancelled).

17. (cancelled).

18. (cancelled).

19. (cancelled).

20. (cancelled).

21. (cancelled).

22. (cancelled).

23. (cancelled).

24. (cancelled).